

1. (New) A surgical jig for defining an axis relative to a body part, the jig comprising:
  - a support;
  - a first guide element having a first guide channel, the first guide element being mounted on the support and being translatable over a first plane; and
  - a second guide element having a second guide channel, the second guide element being mounted on the support and being translatable over a second plane, the second plane being parallel to the first plane, and wherein the first guide channel and second guide channel between them define a substantially linear jig axis.
2. (New) The jig of claim 1, further comprising a drive mechanism operable to move one or both of the first guide element and the second guide element.
3. (New) The jig of claim 1, wherein the support is a frame.
4. (New) The jig of claim 2, wherein the drive mechanism includes first and second carriers bearing the first guide element, the first and second carriers being disposed parallel to the first plane and being perpendicular to each other.
5. (New) The jig of claim 4, wherein the drive mechanism includes a motor actuatable to drive the carrier to control the position of the first guide element over the plane.
6. (New) The jig of claim 4, wherein the support includes a first pair of opposed sides, each side including a slider and a second pair of opposed sides, perpendicular to the first pair of opposed sides, wherein each side includes a slider, and wherein the first carriage extends between the sliders of the first pair of sides and the second carriage extends between the sliders of the second pair of sides.
7. (New) The jig of claims 4, wherein the drive mechanism includes third and fourth carriers bearing the second guide element, the third and fourth carriers being disposed parallel to the second plane and being perpendicular to each other.

8. (New) The jig of claim 7, wherein the drive mechanism includes a motor actuatable to drive the carriers to control the position of the second guide element over the plane.

9. (New) The jig of claim 7, wherein the first pair of opposed sides, each include a further slider and the second pair of opposed sides each include a further slider, and wherein the third carriage extends between the further sliders of the first pair of sides and the fourth carriage extends between the sliders of the second pair of sides.

10. (New) The jig of claim 6, wherein each slider includes a guide track having a bushing slidably mounted therein and wherein the ends of the carriers are each received in a respective bushing.

11. (New) The jig of claim 4, wherein each carrier is a lead screw.

12. (New) The jig of claim 4, wherein each carrier is independently drivable.

13. (New) The jig of claim 12, further comprising a separate motor for driving each carrier.

14. (New) The jig of claim 13, wherein each motor is an electric motor.

15. (New) The jig of claim 13, wherein each motor is a stepper motor.

16. (New) The jig of claim 1, further comprising a first marker detectable by a tracking system.

17. (New) The jig of claim 16 , further comprising a second marker detectable by a tracking system, the second marker being attached to the second guide element and wherein the first marker is attached to the first guide element.

18. (New) The jig of claim 16, further comprising an instrument passing through the first guide channel and second guide channel and wherein the first marker is attached to the instrument.

19. (New) The jig of claim 1, wherein the support includes a plurality of feet engagable with a surface of the body part.

20. (New) The jig of claim 19, wherein the plurality of feet can be clamped about the body part to secure the jig to the body part.

21. (New) The jig of claim 1, further comprising a first arm by which the first guide element is connected to the support and a second arm by which the second guide element is connected to the support.

22. (New) The jig of claim 21, wherein the first and second guide arms are spaced along a longitudinal axis of the support and are each pivotally connected to the support and can pivot about the longitudinal axis of the support.

23. (New) The jig of claim 21, wherein the first and second arms are each extendable along a longitudinal axis of the arm.

24. (New) The jig of claims 21, further comprising a base member pivotally attached to the support, and wherein the base member includes a formation for receiving a fastener to secure the guide to a bone.

25. (New) The jig of claim 24, wherein a part of the support is journaled within the base member and wherein the base member can clamp around the part of the support to prevent relative movement between the support and base member when secured to the bone by the fastener.

26-40 (Cancelled).